

Theory and Simulation of Nano Scale Materials

Albuquerque, New Mexico

October 14-15, 2010

You are cordially invited to participate in a workshop on theory and modeling of nanoscale materials. The primary aim of the workshop is to bring together scientists from the five DOE Office of Science Nanoscale Science Research Centers to discuss recent developments in the theory and simulations of nanomaterials. The meeting will be held at the Center for Integrated Nano Technology (CINT) in Albuquerque, NM.

Organizing Committee

Gary S. Grest	Sandia National Laboratories
Stephen Gray	Argonne National Laboratory
Mark Hybertsen	Brookhaven National Laboratory
Norman Modine	Sandia National Laboratories
Jeffrey Neaton	Lawrence Berkeley National Laboratory
Bobby Sumpter	Oak Ridge National Laboratory

Topics of interest include but are not limited to:

- Structure, Electronic and Optical Properties of Nanomaterials
- Electron, Proton and Energy Transport
- Catalytic Processes on the Nanoscale
- Soft and Bio Materials for Energy Applications
- Interactions at Nanoscale Interfaces
- Electronic, Optical and Magnetic Materials
- Nano Scale Self-Assembly and Emergent Phenomena
- Algorithm Development

The workshop will consist of invited lectures and a poster session.

Breakout sessions directed towards future areas of cooperation between the centers will be an important component of the workshop.



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